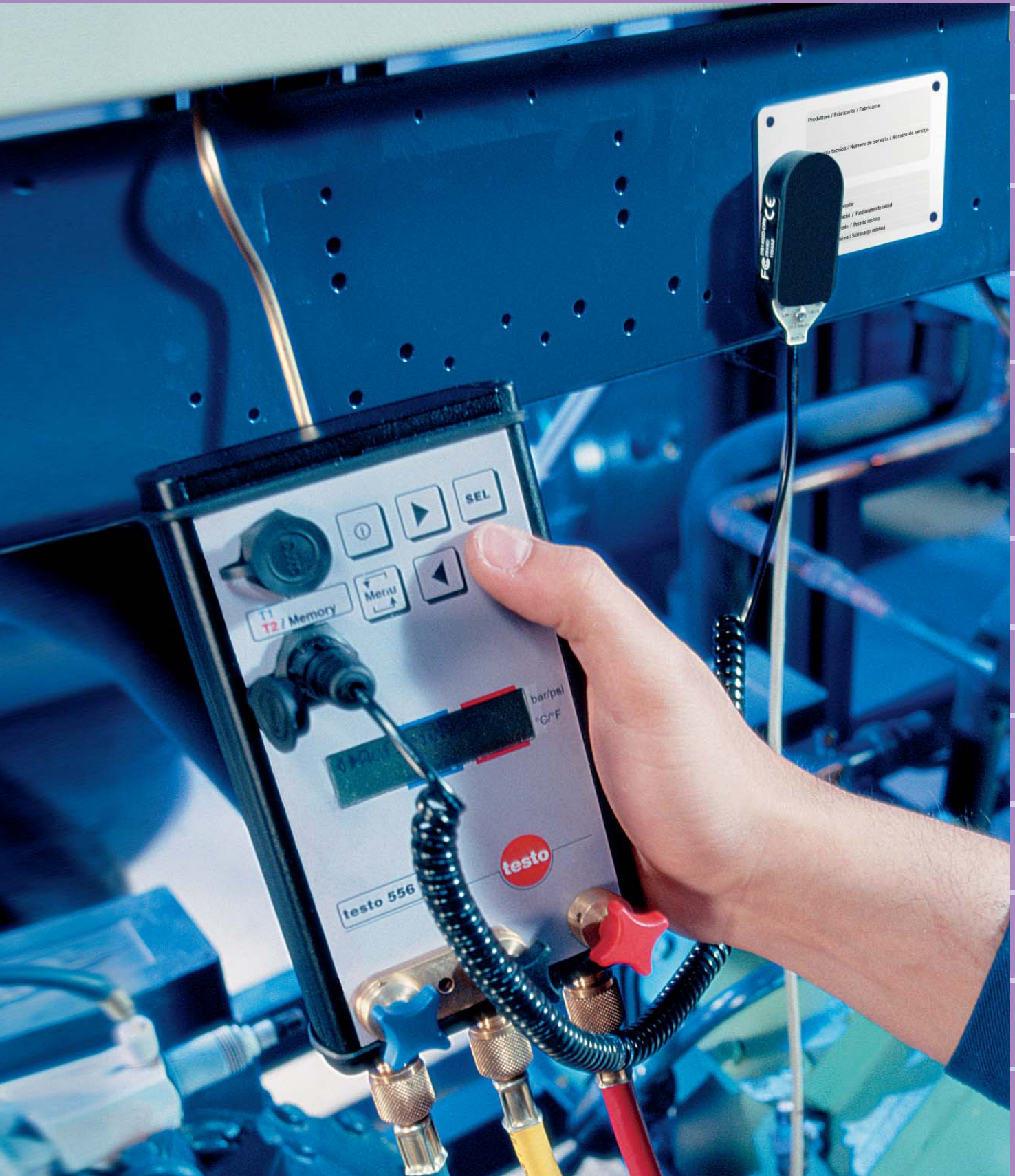




testo 551 • testo 555
testo 556 • testo 560

Electronic Manifolds

Measuring, Recording and Regulating Refrigeration Systems



hPa

mbar

Pa

micron

bar

psi

ε

$^{\circ}\text{C}$

$^{\circ}\text{F}$

t_{cu}

t_{oo}

ε_{CL}

Vacuum measurement

The absolute pressure meter achieves high-precision measurements during the evacuation of refrigeration systems. The display shows not only the measured vacuum but also the corresponding sublimation and steam temperature of water.



- High precision vacuum measurement cell with 6 bar positive pressure protection
- Storage and display of the performance data of up to 9 vacuum pumps on the unit display
- Recording of measured data in the unit and reading out data on the unit display
- Stainless steel sensor for media compatibility
- Resolution of 0.0001 bar
- Temperature compensation

testo 551

Vacuum measurement meter with batt. and stainless steel pressure sensor

Part no. 0560 5510

Technical data testo 551

Pressure media CFC, fluorinated hydrocarbon, ammonia (NH₃)

Meas. range 0...200 hPa/mbar (abs.)

Pos. pressure Max. 6 bar permitted

Resolution 0.0001 bar

Internal memory 8 KB as wrap-around memory (3610 values)

Connection 1 x 7/16" - UNF

See rear page for remaining data

Calculation of condensation and vapourisation temperatures

The electronic manifold with 3-way valve bank and 2 pressure sensors is the ideal tool for service and maintenance work on refrigeration systems.



- At a glance: display of measured pressure on suction and pressure side including the calculated condensation and vaporisation temperatures for the selected refrigerant
- Temperature-compensated
- 35 refrigerants stored in device - update capability for known and new refrigerants
- Data recording, readout from memory via the unit display
- Display of calculated Carnot / Lorenz cooling/heating output figures
- Display of saturated steam values of all refrigerants stored in the device
- Switch-selectable display: relative or absolute pressure

testo 555-1 (Brass)

Electronic manifold made of brass with battery

Part no. 0560 5551

testo 555-2 (Stainless steel)

Electronic manifold made of stainless steel with battery

Part no. 0560 5552

Technical data testo 555-1/-2

Pressure media CFC, fluorinated hydrocarbon, nitrogen (ammonia, testo 555-2 only)

Meas. range 0 to 50 bar (abs.)

Pos. pressure Up to 75 bar

Resolution 0.1

Internal memory 8 KB as wrap-around memory (3610 values)

Connection 3 x 7/16" - UNF

No. of refrigerants 35

See rear page for remaining data

Recommended kit: "Vacuum and temperature measurement"



Item	Part no.
testo 551, absolute pressure meter	0560 5510
testo 935, differential temperature meter	0560 9350
Pipe wrap probe with Velcro tape for 6mm pipes and above	0628 0020
Pipe wrap probe with Velcro tape for 6mm pipes and above	0628 0020
Robust, affordable air probe	0602 1792
testo printer with 1 roll of thermal paper and 4 AA batteries	0554 0545
TopSafe for testo 935	0516 0183
Transport case (plastic) for measuring instrument and accessories	0516 0184

Recommended kit: "Starter"



Item	Part no.
testo 555-1, brass	0560 5551
testo 555-2, stainless steel (for ammonia)	0560 5552
testo 935, to measure differential temperature	0560 9350
Pipe wrap probe with Velcro tape for 6mm pipes and above	0628 0020
Pipe wrap probe with Velcro tape for 6mm pipes and above	0628 0020
testo printer with 1 roll of thermal paper and 4 AA batteries	0554 0545
TopSafe for testo 935	0516 0183
Transport case (plastic) for meter and accessories	0516 0184

Brass

Stainless steel

Calculation of superheating, subcooling and easy, rational data management

The electronic manifold with 3-way valve bank and 2 pressure sensors also has 2 temperature inputs for external temperature probes. Superheating and subcooling are calculated at the push of a button and shown on the display.

- All functions of the testo 555
- Measurement of two temperatures simultaneously
- Leakage test taking into account ambient temperature by means of the connection of an external temperature probe
- External memory chip for on-site documentation of historical and current system data:

- Rapid overview of all relevant machine data
- System history
- Simplified troubleshooting



testo 556-1 (Brass)

Electronic manifold made of brass with battery

Part no. 0560 5561

testo 556-2 (Stainless steel)

Electronic manifold made of stainless steel with battery

Part no. 0560 5562

Technical data testo 556-1/-2

Pressure media CFC, fluorinated hydrocarbon, nitrogen (ammonia, testo 556-2 only)

Measurement range Pressure 0 to 50 bar (abs.)
Temperature -50 to +400 °C

Pos. pressure Up to 75 bar

Resolution 0.1

Internal memory 8 KB as wrap-around memory (3610 values)

Interface For external memory chip, 2 temperature inputs

Connection 3 x 7/16" - UNF

No. of refrigerants 35

See rear page for remaining data

Vacuum measurement, calculation of all parameters and analysis of data on PC

The electronic manifold with 3-way valve bank is the ideal solution for the commissioning, maintenance and repair of refrigeration systems. High-precision measurements are achieved during the evacuation of refrigeration systems.



testo 560-1 (Brass)

Electronic manifold made of brass with battery

Part no. 0560 5601

testo 560-2 (Stainless steel)

Electronic manifold made of stainless steel with battery

Part no. 0560 5602

Technical data testo 560-1/-2

Pressure media CFC, fluorinated hydrocarbon, nitrogen, (ammonia, testo 560-2 only)

Measurement range Pressure 0 to 50 bar (abs.),
Vacuum 0 to 200 mbar (abs.)
Temp. -100 to +400 °C

Pos. pressure Up to 75 bar

Resolution Pressure 0.1 bar
Vacuum 0.0001 bar

Memory Stores > 10,000 data records
> 32,000 data records equals 100,000 readings

Interface RS232

Connection 3 x 7/16" - UNF

No. of refrigerants Max. 38

See rear page for remaining data

- All functions of the testo 556*
- Data exchange with PC
- Internal Pt1000 temperature sensor, e.g. for recording ambient temperature during leakage tests
- Network connections for long-term measurements
- Internal memory with 256 KB and comprehensive customer and system management
- PC software for analysis and documentation

* The testo 560 has an external temperature input and has no connection possibility for the external memory chip.

Recommended kit: "Maintenance and Service"



Item	Part no.
testo 556-1, brass	0560 5561
testo 556-2, stainless steel	0560 5562
Pipe wrap probe with Velcro tape for 6mm pipes and above	0609 5600
Pipe wrap probe with Velcro tape for 6mm pipes and above	0609 5600
Rating plate incl. memory chip	0554 5507
Software for memory chip	0554 5601
Interface cable for connection: unit to memory chip	0628 5600
Serial interface cable for connection: PC to memory chip	0409 5600
Transport case for meter and accessories	0516 0008

Brass

Stainless steel

Recommended kit: "Refrigeration engineer"



Item	Part no.
testo 560-1, with manometer battery, vacuum cell, temperature input and data management, brass	0560 5601
testo 560-2, with manometer battery, vacuum cell, temperature input and data management, stainless steel	0560 5602
Pipe wrap probe with Velcro tape for 6mm pipes and above	0609 5600
PC software for data management and documentation	0554 5600
RS-232 cable for data transmission between meter and PC	0628 0178
Mains unit for external voltage supply	0628 1084
Transport case for meter and accessories	0516 0008

Brass

Stainless steel

Ordering by fax

Ordering data for meters/recommended kits

Qty.	Meters	Part no.
	testo 555-1 , brass, with manometer battery	0560 5551
	testo 555-2 , stainless steel (also for ammonia), with manometer battery	0560 5552
	testo 556-1 , brass, with manometer battery, temperature input, external memory chip	0560 5561
	testo 556-2 , stainless steel (also for ammonia), with manometer battery, temperature input, external memory chip	0560 5562
	testo 560-1 , brass, with manometer battery, vacuum cell, temperature input and data management	0560 5601
	testo 560-2 , stainless steel (also for ammonia), with manometer battery, vacuum cell, temperature input and data management	0560 5602
	testo 551 , vacuum meter	0560 5510
	testo 935 , to measure differential temperatures	0560 9350
Qty.	Recommended kits	Contents
	testo 551 "Vacuum and temperature measurement"	See page 2
	testo 555-1 "Starter" (Brass)	See page 2
	testo 555-2 "Starter" (Stainless steel)	See page 2
	testo 556-1 "Maintenance and service" (Brass)	See page 3
	testo 556-2 "Maintenance and service" (Stainless steel)	See page 3
	testo 560-1 "Refrigeration engineer" (Brass)	See page 3
	testo 560-2 "Refrigeration engineer" (Stainless steel)	See page 3

Sender

Company _____

Sector _____

Department, Function _____

Name _____

Address _____


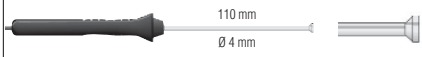
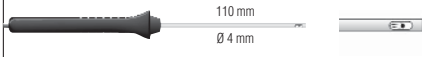
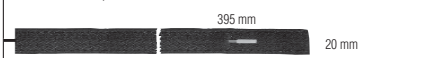
Tel, Fax _____

Email _____

Date, Signature _____

Fax to:

Ordering data for Accessories/Probes

Qty.	Accessories for testo 556-1/-2	Part no.
	Software for memory chip	0554 5601
	Interface cable for connection: Unit to memory chip	0628 5600
	Serial interface cable for connection: PC to memory chip	0409 5600
	Machine rating plate incl. memory chip	0554 5507
Qty.	Accessories for testo 560-1/-2	Part no.
	PC software for data management and documentation	0554 5600
	RS-232 cable for data transmission between meter and PC	0628 0178
	Mains unit for external voltage supply for testo 560	0628 1084
Qty.	Common accessories	Part no.
	Transport case for meter and accessories	0516 0008
Qty.	Accessories for testo 935	Part no.
	testo printer with 1 roll of thermal paper and 4 AA batteries	0554 0545
	TopSafe for testo 935	0516 0183
	Pipe wrap probe with Velcro tape for 6 mm pipes and above	0628 0020
Qty.	Probes for testo 556 and testo 560	Part no.
	Water-proof immersion/penetration probe, -50 to +400 °C, Class A 	0628 1272
	Water-proof surface probe with widened measuring tip, for flat surfaces, -50 to +400 °C, Class B 	0628 1972
	Robust, affordable air probe, -50 to +400 °C, Class A 	0628 1772
	Pipe wrap probe with Velcro tape for Ø 6 mm pipes and up to max.120 mm, Tmax +120 °C, 0 to +120 °C, Class B 	0609 5600
	If ordering replacement sensors for old devices from the company addoor, PCD 312, please order adapter as well.	0554 5603

Please send me the detailed brochure with the title "Electronic Manifolds" (DIN A4, 16 pages)

Common technical data

Dimensions	175 x 109 x 34 (lxwxh)
Protection class	IP 65
Accuracy	0.5% FS ± 1 digit
Compensation	-10 to +50 °C
Battery	9V block
Battery capacity	Approx. 40 h
Separating membrane	Stainless steel 316 L
Working, storage temp.	-20 to +60 °C
Warranty	2 years

Accuracies of Pt100 probes

Class B: ± (0.3 + 0.005 • t) (t)

Class A: ± (0.3 + 0.005 • t) (t)